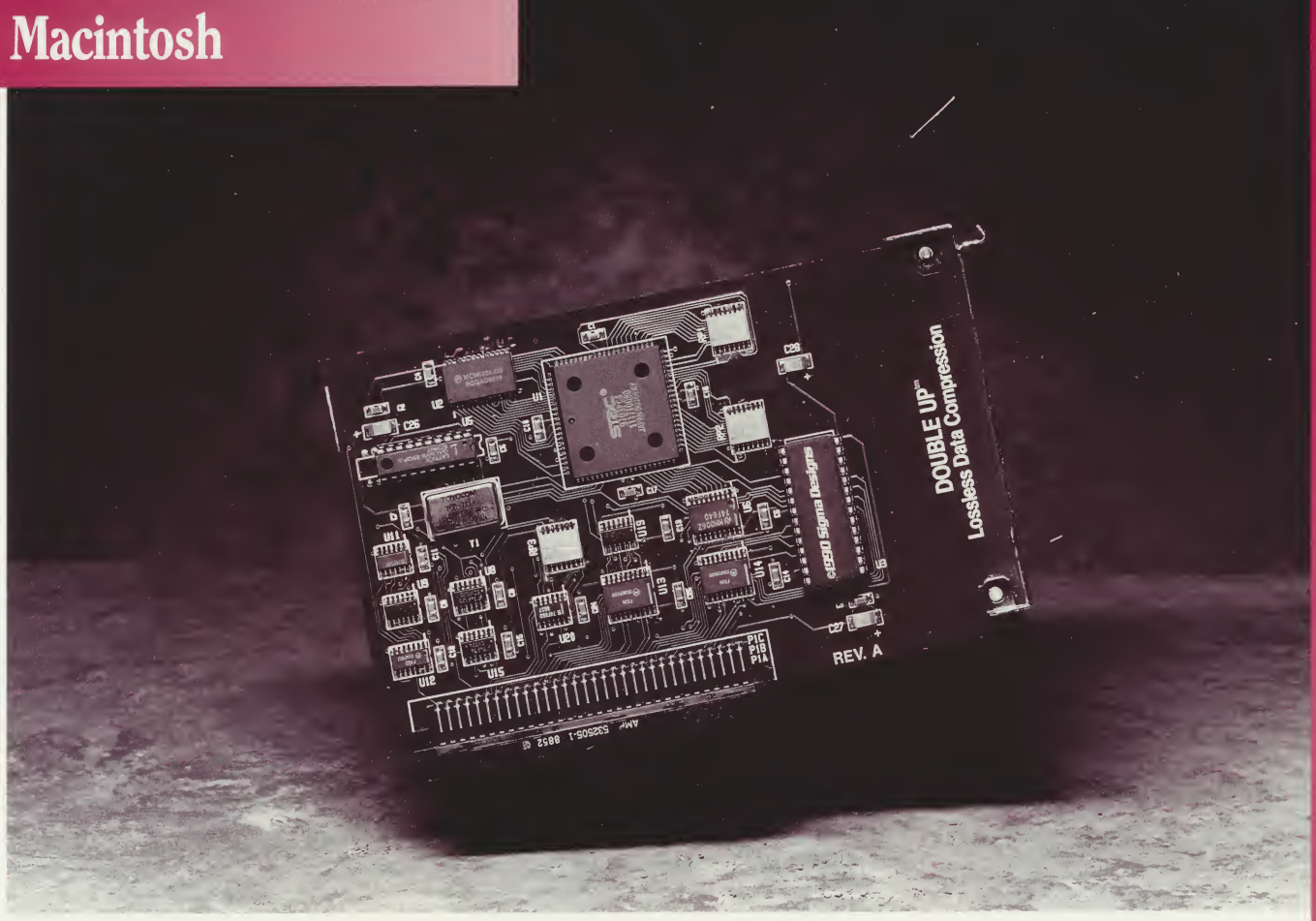
Macintosh

Data Compression Card



DoubleUp™ *with DiskDoubler™*

Data compression card for Macintosh NuBus computers

DoubleUp is the first real-time lossless data compression card for the Macintosh NuBus family of personal computers. It enables users to double the effective storage capacity of their hard disks. Real-time means that data, images, and applications can be compressed and decompressed at speeds that are virtually unnoticeable to the user. The lossless compression method ensures that data is never lost or altered.

DoubleUp installs easily into any Macintosh NuBus slot. The card comes bundled with DiskDoubler™, a popular Macintosh software compression utility from Salient Software. This combination of hardware and software makes DoubleUp ideal for users who need to enhance their storage capacity without speed degradation. Each DoubleUp comes complete with compression card, DiskDoubler software, and user's guide.

FEATURES	BENEFITS
Compression ratio of 2:1 on average, with up to 15:1 ratio possible.	Provides 100% more storage by effectively doubling the size of any hard disk.
Coprocessor chip boosts performance — up to 5 MB of data per second.	Data is compressed up to 10 times faster than with software file compression — no waiting!
Lossless LZ-1 compression algorithm compresses image, data, or program files.	Compresses all types of files without losing or altering data.
Card plugs into any NuBus slot.	Installation is fast and easy.
Comes standard with DiskDoubler software.	Software interface is user friendly.

SIGMA DESIGNS®

DoubleUp Data Compression Card for Macintosh NuBus computers

Complete with compression card, DiskDoubler software, and user's guide.

ORDERING INFORMATION

DUA-M2-0000

DoubleUp compression card with DiskDoubler software

COMPRESSION SPECIFICATIONS

- Compression Algorithm
  LZ-1 (Lempel Ziv-1) lossless adaptive compression algorithm

  LZ-1 looks for matches within the context of the file it is compressing or decompressing and replaces occurrences of repeated strings with shorter tokens. The shorter tokens are used to reconstruct the original strings during the decompression process.

- Compression Ratio
  2:1 average
  Up to 15:1 on some files

DOUBLEUP HARDWARE FEATURES

- Coprocessor
  Stac 9703 40 MHz data compression coprocessor
- Coprocessor Speed
  1 megabyte/second average throughput
  Up to 5 megabytes/second decompression speed
- RAM
  32 KB static RAM
- Computers Supported
  Macintosh NuBus computers
- Physical Dimensions
  4" x 8"
- Power Requirements
  5V @ .5 amps
  2.5 Watts

DISKDOUBLER SOFTWARE FEATURES

- Easy to install and use
- Opens files automatically
  Double-clicking a compressed file's icon decompresses and opens it in one easy step.
- Recompresses files automatically
  Any file or application can be recompressed instantly when you close it or quit.
- Saves an average 50% in disk space
- Combines multiple files
- Splits large files into pieces
  Makes floppy disk backups fast and easy.
- Can operate in background with MultiFinder
  Allows compressed files to appear normally in the Open File dialog of any application.
- Opens StuffIt and PackIt files
- Includes DDExpand™
  For sharing compressed files for later decompression without a DoubleUp card.

SIGMA DESIGNS®

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